

Converting Colors

XYZ(12.8701, 15.6005, 13.9943)

Have a look what the booklet for
XYZ(12.8701, 15.6005, 13.9943)
contains.

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Color

**XYZ(12.8636, 15.6479,
13.8976)**

Conversions

Conversions Part 1

Format	Color
Hex	5C7462
RGB	92, 116, 98
RGB Percent	36%, 45%, 38%
CMY	0.6392, 0.5451, 0.6157
CMYK	0.21, 0.00, 0.16, 0.55
HSL	135°, 12%, 41%
HSV	135°, 21%, 45%
XYZ	12.8636, 15.6479, 13.8976
YIQ	106.7720, -8.5260, -10.6860

Conversions

Conversions Part 2

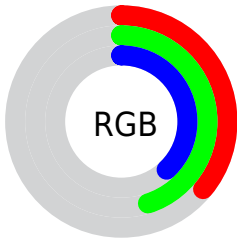
Format	Color
R_{YB}	92, 111, 116
Decimal	6059106
CIE _{Lab}	46.51, -12.72, 7.08
CIE _{LCh}	47, 14.560, 150.923
Yxy	15.6479, 0.3033, 0.3690
Android (android.graphics.Color)	4284249186 (0xFF5C7462)
YUV	106.7720, -4.3246, -12.9550
Hunter-Lab	39.5574, -11.1794, 6.8600

Details

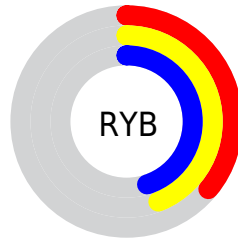
The XYZ color **12.8636, 15.6479, 13.8976** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **13.8446, 12.4934, 16.4343**, and the grayscale version is **13.9256, 14.6508, 15.9547**.

A 20% lighter version of the original color is **30.7551, 36.0148, 33.7644**, and **3.8137, 4.9630, 4.0058** is the 20% darker color. If you saturate the color by 10%, you get **11.4037, 14.9406, 11.8003**, and if you desaturate by 10%, it is **14.5465, 16.4658, 16.2392**.

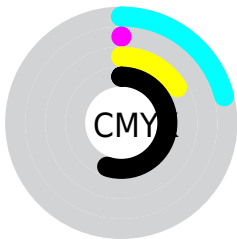
Distribution



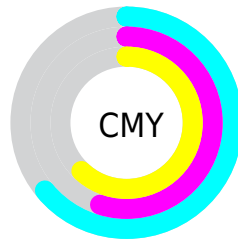
- Red (36%)
- Green (45%)
- Blue (38%)



- Red (36%)
- Yellow (44%)
- Blue (45%)



- Cyan (21%)
- Magenta (0%)
- Yellow (16%)
- Black (55%)



- Cyan (64%)
- Magenta (55%)
- Yellow (62%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.8636, 15.6479, 13.8976 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 12.8636, 15.6479, 13.8976 by changing the saturation by 10% instead.

■ 12.8636, 15.6479,
13.8976

■ 12.8636, 15.6479,
13.8976

203.6970,
227.2550, 227.9991

■ 7.4110, 9.2753,
7.9115

■ 30.6619, 35.9859,
33.6217

■ 3.7691, 4.9212,
3.9514

■ 43.7384, 50.7200,
48.1969

■ 1.5723, 2.2011,
1.5987

■ 60.0869, 69.0102,
66.4722

■ 0.3743, 0.7206,
0.2899

■ 80.0727, 91.2408,
88.8661

■ 0.0000, 0.0000,
0.0000

104.0613,
117.7962, 115.7972

132.4180,

149.0607, 147.6840

165.5081,
185.4189, 184.9452

■ 12.8636, 15.6479,
13.8976

■ 12.8636, 15.6479,
13.8976

■ 11.4037, 14.9406,
11.8003

■ 14.5465, 16.4658,
16.2392

■ 10.1560, 14.3374,
9.9383

■ 16.4601, 17.3969,
18.8315

■ 9.1109, 13.8337,
8.3037

■ 18.6131, 18.4460,
21.6820

■ 8.2572, 13.4241,
6.8878

■ 21.0135, 19.6170,
24.7976

■ 7.5830, 13.1025,
5.6812

■ 23.6689, 20.9137,
28.1851

■ 7.0746, 12.8622,
4.6738

■ 26.5867, 22.3397,
31.8506

■ 6.7165, 12.6953,
3.8548

■ 29.7737, 23.8985,
35.8005

■ 6.4674, 12.5801,
3.2497

■ 33.2367, 25.5935,
40.0407

■ 36.9822, 27.4279,
44.5771

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



13.6679, 15.6479, 11.7742



12.8636, 15.6479, 13.8976



12.5900, 15.6479, 17.1494

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



12.8636, 15.6479, 13.8976



14.9117, 15.6479, 24.9168



17.0386, 15.6479, 13.7301

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



12.8636, 15.6479, 13.8976



13.8446, 12.4934, 16.4343

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



17.4162, 15.6479, 16.9269



12.8636, 15.6479, 13.8976



16.1466, 15.6479, 23.6746

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



12.8636, 15.6479, 13.8976



13.7316, 15.6479, 23.8134



17.0812, 15.6479, 20.6188



16.0756, 15.6479, 11.6875

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



12.8636, 15.6479, 13.8976



12.7325, 15.6479, 19.6247



17.0812, 15.6479, 20.6188



17.2405, 15.6479, 14.6890

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



12.8640, 15.6486, 13.8979



27.0445, 29.6603, 30.5570



14.6580, 16.6049, 12.5579



6.4138, 7.0574, 7.2381



57.3938, 60.3827, 65.7568



6.9614, 7.3239, 7.9757

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



12.8640, 15.6486, 13.8979



21.2952, 26.8676, 22.5540



13.4522, 15.8838, 16.9954



3.6747, 4.1118, 4.1210



7.2508, 14.1143, 3.6109



35.0370, 68.6621, 16.0320

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



13.8446, 12.4934, 16.4343



23.3589, 20.2253, 27.8905



13.2536, 12.2570, 13.3221



3.7894, 3.7430, 4.4177



10.0059, 4.9361, 10.5052



48.4041, 23.9118, 49.3188

Previews

White Background



This preview shows how the XYZ color 12.8636, 15.6479, 13.8976 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 12.8636, 15.6479, 13.8976 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

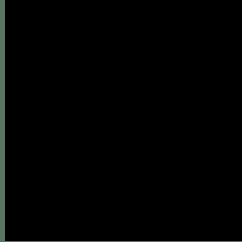
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 12.8636, 15.6479, 13.8976

Background



This preview shows how black text looks on a background with the XYZ color 12.8636, 15.6479, 13.8976.



This preview shows how white text looks on a background with the XYZ color 12.8636, 15.6479,

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

12.8636, 15.6479, 13.8976

Protanopia

14.7117, 15.6229, 13.0666

Deuteranopia

15.7665, 15.5133, 14.2200



Tritanopia

14.2418, 15.7022, 20.6926

Trichromacy



Original Color

12.8636, 15.6479, 13.8976

Protanomaly

13.9689, 15.5587, 13.3332

Deuteranomaly

14.5102, 15.4975, 14.0309

Tritanomaly

13.7173, 15.6598, 17.9224

Monochromacy



Original Color

12.8636, 15.6479, 13.8976

Achromatopsia

13.9749, 14.7027, 16.0113

Achromatomaly

13.5541, 14.9761, 15.2730

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.8636, 15.6479, 13.8976 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color rgb(92, 116, 98) looks like.

```
.text, #text, p{  
    color:rgb(92, 116, 98)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(92, 116, 98) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(92, 116, 98) }
```

Border

The CSS property to change the border of an element to XYZ 12.8636, 15.6479, 13.8976 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(92, 116, 98) }
```


If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(92, 116, 98) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(92, 116, 98)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(92, 116, 98); -webkit-box-  
shadow:4px 4px 4px 4px rgb(92, 116, 98);  
box-shadow:4px 4px 4px 4px rgb(92, 116,  
98) }
```

Background

The CSS property to change the background color of an element to XYZ 12.8636, 15.6479, 13.8976 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(92, 116, 98) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(92, 116,  
98) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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